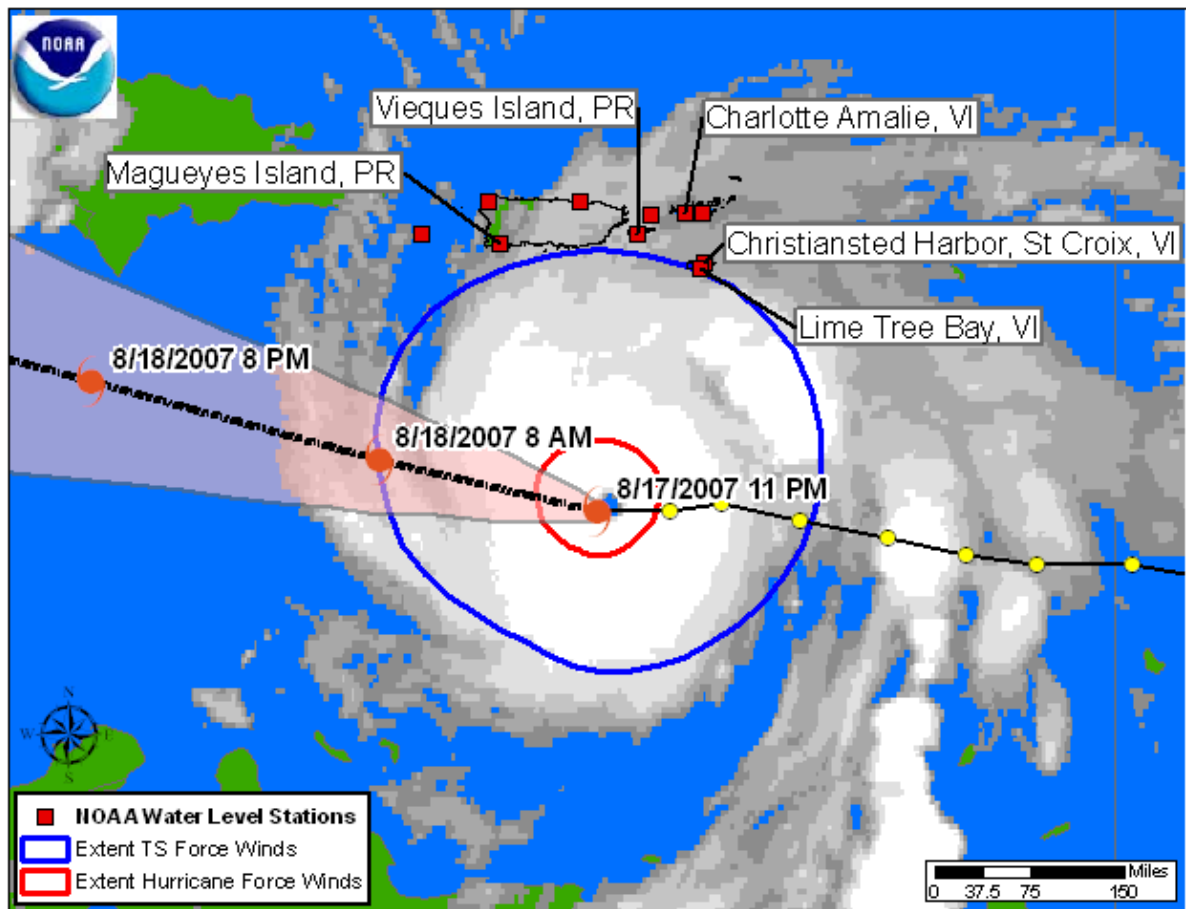


Hurricane DEAN QUICKLOOK
Posted: 00:00 AST 08/18/2007

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

NOS water levels are elevated at southern Puerto Rico and associated islands stations and at the U.S. Virgin Islands stations. Barometric pressure (sea level pressure) is falling and wind speeds are slightly increasing.

Water level observations as of 8/18/2007 00:00 AST:

Lime Tree Bay, VI is ~0.73 ft (0.22 m) above predicted.

Christiansted Harbor, St Croix, VI is ~0.39 ft (0.12 m) above predicted.

Vieques Island, PR is ~0.54 ft (0.16 m) above predicted.

Charlotte Amalie, VI is ~ 0.37 ft (0.11 m) above predicted.

Magueyes Island, PR is ~0.22 ft (0.07 m) above predicted.

Water level and meteorological plots are updated automatically. For additional data, please see www.tidesandcurrents.noaa.gov.

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION at 23:00 AST AUG 17 2007:

...CATEGORY FOUR DEAN INTENSIFYING OVER THE EASTERN CARIBBEAN...

A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE BRITISH VIRGIN ISLANDS....U.S. VIRGIN ISLANDS AND PUERTO RICO. THESE WARNINGS WILL LIKELY BE DISCONTINUED ON SATURDAY MORNING.

AT 1100 PM AST...0300Z...THE CENTER OF HURRICANE DEAN WAS LOCATED NEAR LATITUDE 14.9 NORTH...LONGITUDE 65.9 WEST OR ABOUT 755 MILES... 1210 KM...EAST-SOUTHEAST OF KINGSTON JAMAICA AND ABOUT 240 MILES... 390 KM...SOUTH OF SAN JUAN PUERTO RICO.

DEAN IS MOVING TOWARD THE WEST NEAR 18 MPH...30 KM/HR...AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE DURING THE NEXT 24 HOURS. ON THIS TRACK...THE CORE OF THE HURRICANE WILL BE MOVING WELL SOUTH OF PUERTO RICO TONIGHT AND SOUTH OF THE DOMINICAN REPUBLIC EARLY SATURDAY.

DATA FROM AN AIR FORCE HURRICANE HUNTER AIRCRAFT INDICATE THAT MAXIMUM SUSTAINED WINDS ARE NEAR 145 MPH...230 KM/HR...WITH HIGHER GUSTS. DEAN IS A CATEGORY FOUR HURRICANE ON THE SAFFIR-SIMPSON HURRICANE SCALE. SOME ADDITIONAL STRENGTHENING IS FORECAST DURING THE NEXT 24 HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 60 MILES...95 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES...335 KM.

THE MINIMUM CENTRAL PRESSURE JUST REPORTED BY THE AIRCRAFT WAS 937 MB...27.67 INCHES.

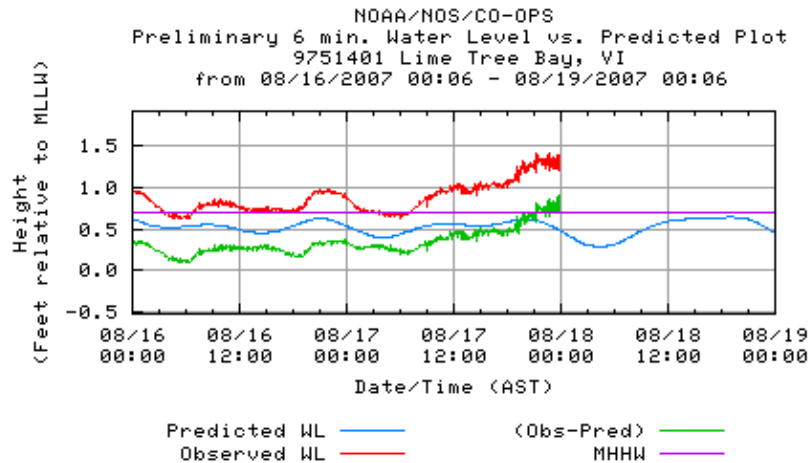
STORM TOTAL RAINFALL AMOUNTS OF 1 TO 2 INCHES CAN BE EXPECTED FROM DEAN OVER PUERTO RICO...THE DOMINICAN REPUBLIC AND HAITI WITH MAXIMUM AMOUNTS UP TO 5 INCHES POSSIBLE. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUDSLIDES.

For the purpose of timely release, data contained within this QUICKLOOK have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Hurricane DEAN QUICKLOOK, POSTED 00:00 AST 08/18/2007

Jump to: [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Barometric](#), [Vieques Island - Water Level](#), [Charlotte Amalie - Winds](#), [Maqueyes Island - Winds](#), [Lime Tree Bay - Winds](#), [Christiansted Harbor, St Croix - Water Level](#), [Charlotte Amalie - Water Level](#), [Maqueyes Island - Water Level](#), [Maqueyes Island - Barometric](#),

Lime Tree Bay, VI - Station Map [Return to List](#)

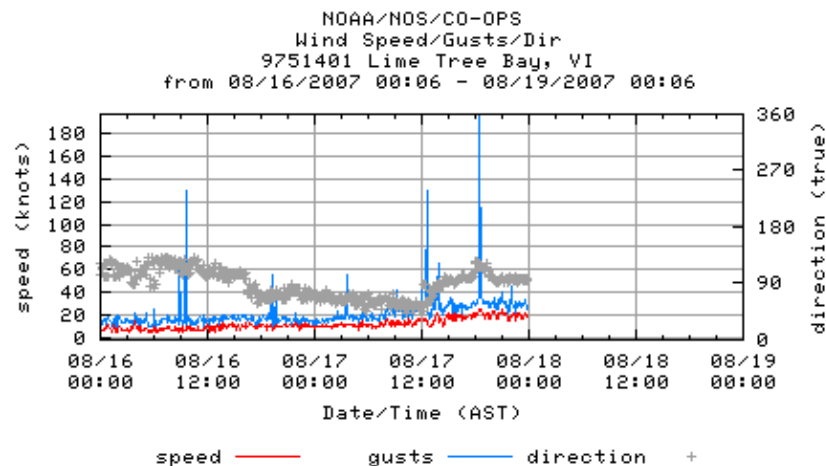


Last Observed Sample: 08/17/2007 23:54 (AST)

Relative to **MLLW**: **Observed: 1.21 ft.** **Predicted: 0.49 ft.** **Residual: 0.72 ft.**

Historical Maximum Water Level: 11/17/1999, 1.88 ft. above **MHHW**

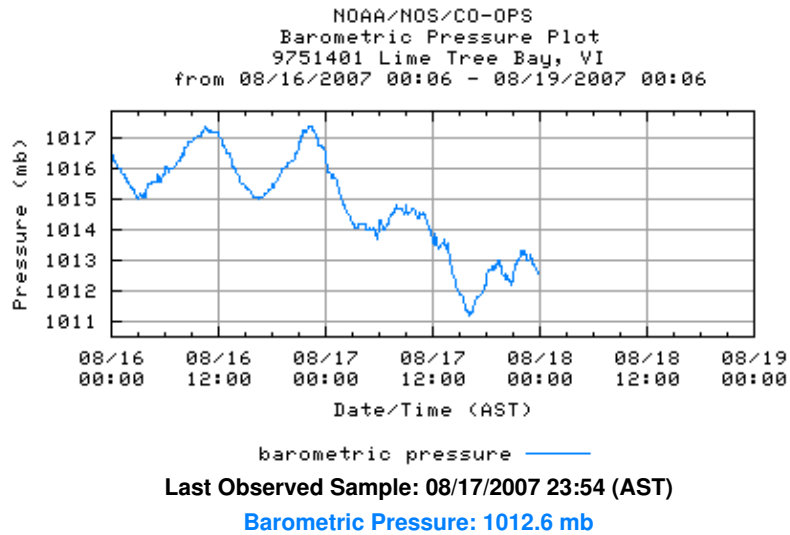
Lime Tree Bay, VI - Station Map [Return to List](#)



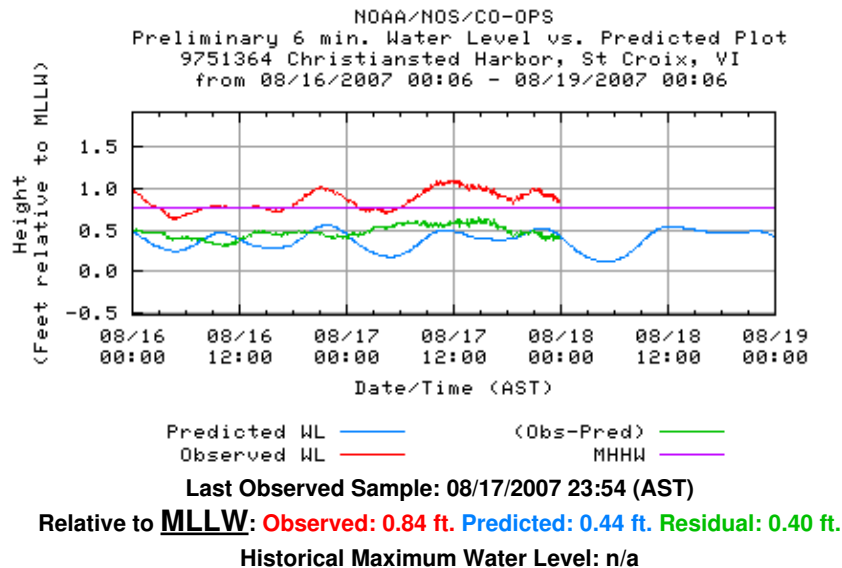
Last Observed Sample: 08/17/2007 23:54 (AST)

Wind Speed: 20 knots **Gusts: 27 knots** **Direction: 097° T**

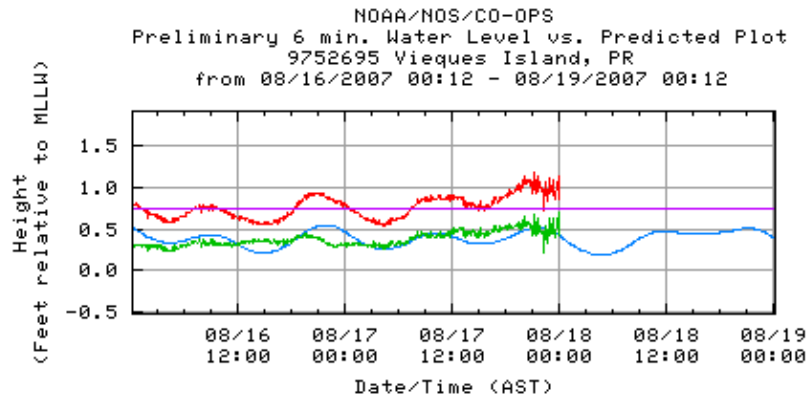
Lime Tree Bay, VI - Station Map [Return to List](#)



Christiansted Harbor, St Croix, VI - Station Map [Return to List](#)



Vieques Island, PR - Station Map [Return to List](#)

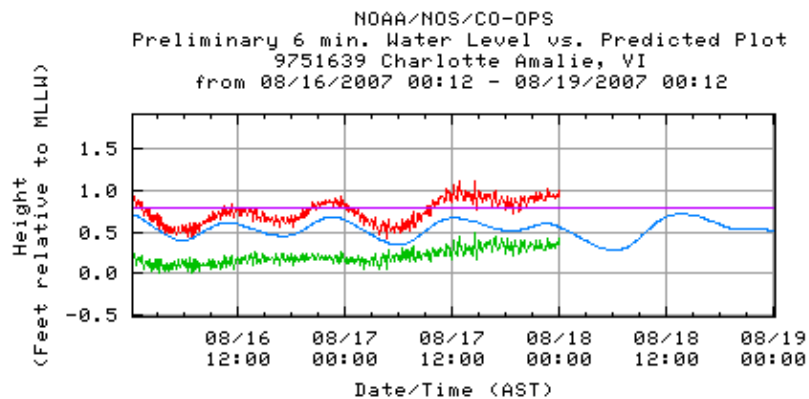


Last Observed Sample: 08/18/2007 00:00 (AST)

Relative to **MLLW**: **Observed: 0.85 ft. Predicted: 0.43 ft. Residual: 0.42 ft.**

Historical Maximum Water Level: n/a

Charlotte Amalie, VI - Station Map [Return to List](#)

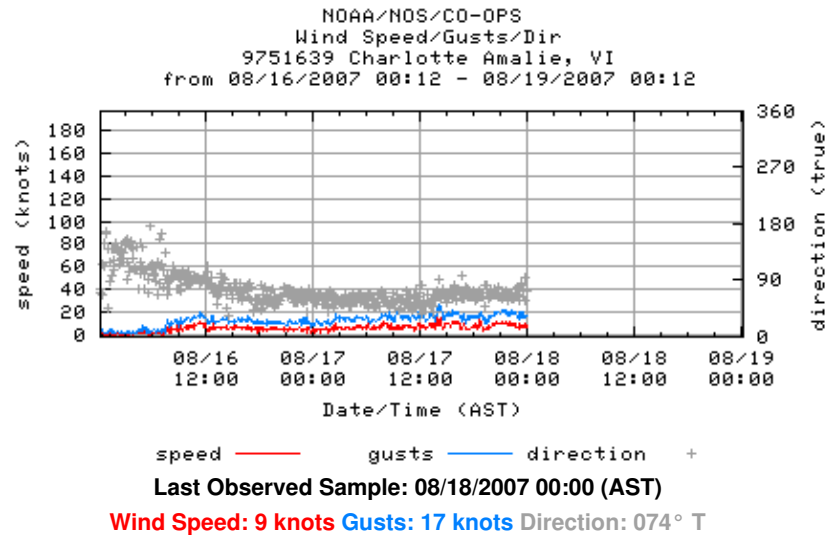


Last Observed Sample: 08/18/2007 00:00 (AST)

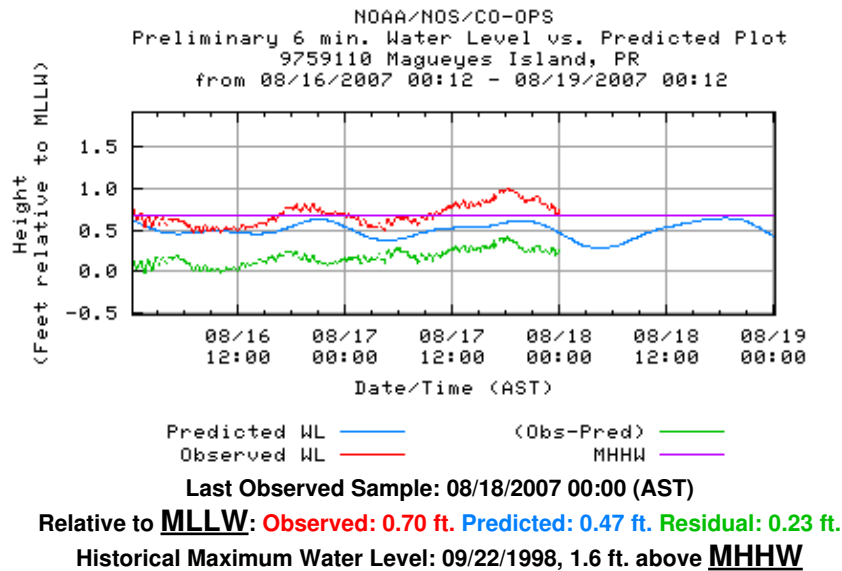
Relative to **MLLW**: **Observed: 0.92 ft. Predicted: 0.57 ft. Residual: 0.35 ft.**

Historical Maximum Water Level: 09/16/1995, 2.93 ft. above **MHHW**

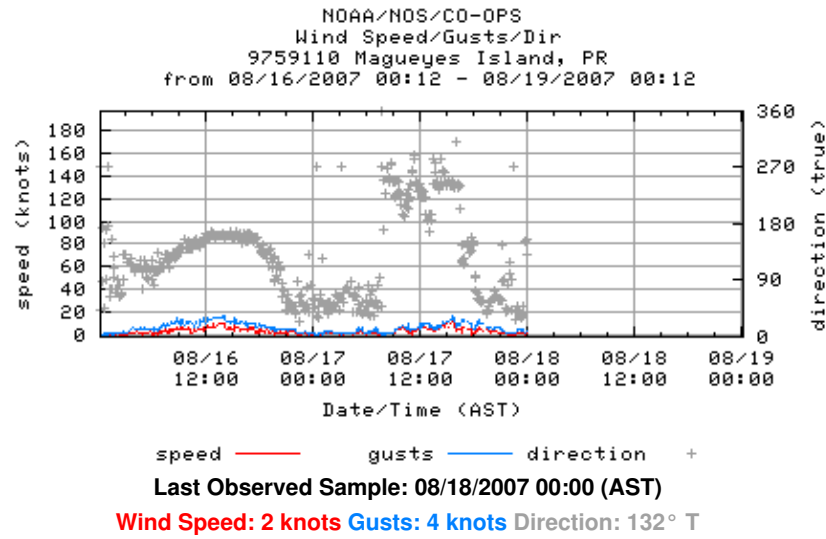
Charlotte Amalie, VI - Station Map [Return to List](#)



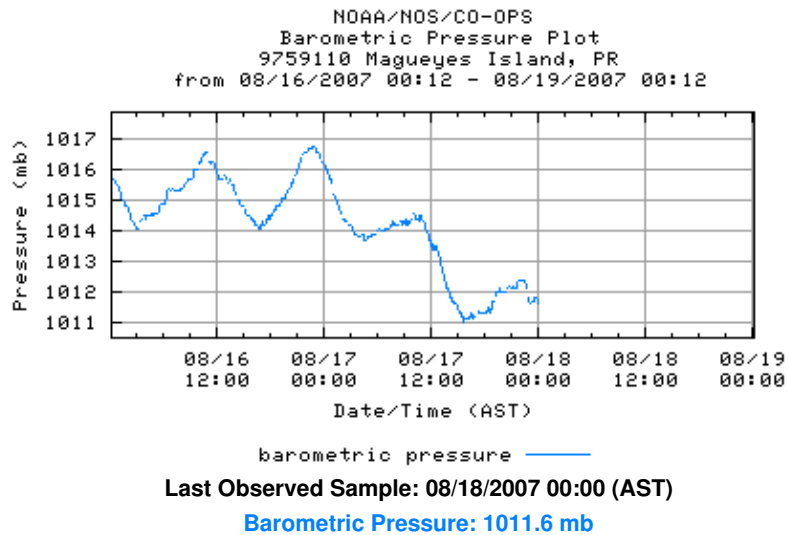
Magueyes Island, PR - Station Map [Return to List](#)



Magueyes Island, PR - Station Map [Return to List](#)



Magueyes Island, PR - Station Map [Return to List](#)



Hurricane DEAN QUICKLOOK, POSTED 00:00 AST 08/18/2007

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce